Application Project

<120> Title : Alpha-2B-Adrenergic Receptor Polymorphisms
<130> AppFileReference : 13105
<140> CurrentAppNumber :
<141> CurrentFilingDate : ____-__-__

Sequence

<213> OrganismName : Homo sapiens
<400> PreSequenceString :

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ATGGACCACC AGGACCCCTA CTCCGTGCAG GCCACAGCGG CCATAGCGGC GGCCATCACC        60
TTCCTCATTC TCTTTACCAT CTTCGGCAAC GCTCTGGTCA TCCTGGCTGT GTTGACCAGC       120
CGCTCGCTGC GCGCCCCTCA GAACCTGTTC CTGGTGTCGC TGGCCGCCGC CGACATCCTG       180
GTGGCCACGC TCATCATCCC TTTCTCGCTG GCCAACGAGC TGCTGGGCTA CTGGTACTTC       240
CGGCGCACGT GGTGCGAGGT GTACCTGGCG CTCGACGTGC TCTTCTGCAC CTCGTCCATC       300
GTGCACCTGT GCGCCATCAG CCTGGACCGC TACTGGGCCG TGAGCCGCGC GCTGGAGTAC       360
AACTCCAAGC GCACCCCGCG CCGCATCAAG TGCATCATCC TCACTGTGTG GCTCATCGCC       420
GCCGTCATCT CGCTGCCGCC CCTCATCTAC AAGGGCGACC AGGGCCCCCA GCCGCGCGGG       480
CGCCCCCAGT GCAAGCTCAA CCAGGAGGCC TGGTACATCC TGGCCTCCAG CATCGGATCT       540
TTCTTTGCTC CTTGCCTCAT CATGATCCTT GTCTACCTGC GCATCTACCT GATCGCCAAA       600
CGCAGCAACC GCAGAGGTCC CAGGGCCAAG GGGGGGCCTG GGCAGGGTGA GTCCAAGCAG       660
CCCCGACCCG ACCATGGTGG GGCTTTGGCC TCAGCCAAAC TGCCAGCCCT GGCCTCTGTG       720
GCTTCTGCCA GAGAGGTCAA CGGACACTCG AAGTCCACTG GGGAGAAGGA GGAGGGGGAG       780
ACCCCTGAAG ATACTGGGAC CCGGGCCTTG CCACCCAGTT GGGCTGCCCT TCCCAACTCA       840
GGCCAGGGCC AGAAGGAGGG TGTTTGTGGG GCATCTCCAG AGGATGAAGC TGAAGAGGAG       900
GAAGAGGAGG AGGAGGAGGA GGAAGAGTGT GAACCCCAGG CAGTGCCAGT GTCTCCGGCC       960
TCAGCTTGCA GCCCCCCGCT GCAGCAGCCA CAGGGCTCCC GGGTGCTGGC CACCCTACGT      1020
GGCCAGGTGC TCCTGGGCAG GGGCGTGGGT GCTATAGGTG GGCAGTGGTG GCGTCGAAGG      1080
GCGCAGCTGA CCCGGGAGAA GCGCTTCACC TTCGTGCTGG CTGTGGTCAT TGGCGTTTTT      1140
GTGCTCTGCT GGTTCCCCTT CTTCTTCAGC TACAGCCTGG GCGCCATCTG CCCGAAGCAC      1200
TGCAAGGTGC CCCATGGCCT CTTCCAGTTC TTCTTCTGGA TCGGCTACTG CAACAGCTCA      1260
CTGAACCCTG TTATCTACAC CATCTTCAAC CAGGACTTCC GCCGTGCCTT CCGGAGGATC      1320
CTGTGCCGCC CGTGGACCCA GACGGCCTGG TGA                                   1353
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<212> Type : DNA
<211> Length : 1353
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      SequenceDescription :

Custom Codon

Sequence Name : Sequence 1

Sequence

<213> OrganismName : Homo sapiens
<400> PreSequenceString :

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TTCCTCATTC TCTTTACCAT CTTCGGCAAC GCTCTGGTCA TCCTGGCTGT GTTGACCAGC       120
CGCTCGCTGC GCGCCCCTCA GAACCTGTTC CTGGTGTCGC TGGCCGCCGC CGACATCCTG       180
GTGGCCACGC TCATCATCCC TTTCTCGCTG GCCAACGAGC TGCTGGGCTA CTGGTACTTC       240
CGGCGCACGT GGTGCGAGGT GTACCTGGCG CTCGACGTGC TCTTCTGCAC CTCGTCCATC       300
GTGCACCTGT GCGCCATCAG CCTGGACCGC TACTGGGCCG TGAGCCGCGC GCTGGAGTAC       360
AACTCCAAGC GCACCCCGCG CCGCATCAAG TGCATCATCC TCACTGTGTG GCTCATCGCC       420
GCCGTCATCT CGCTGCCGCC CCTCATCTAC AAGGGCGACC AGGGCCCCCA GCCGCGCGGG       480
CGCCCCCAGT GCAAGCTCAA CCAGGAGGCC TGGTACATCC TGGCCTCCAG CATCGGATCT       540
TTCTTTGCTC CTTGCCTCAT CATGATCCTT GTCTACCTGC GCATCTACCT GATCGCCAAA       600
CGCAGCAACC GCAGAGGTCC CAGGGCCAAG GGGGGGCCTG GGCAGGGTGA GTCCAAGCAG       660
CCCCGACCCG ACCATGGTGG GGCTTTGGCC TCAGCCAAAC TGCCAGCCCT GGCCTCTGTG       720
GCTTCTGCCA GAGAGGTCAA CGGACACTCG AAGTCCACTG GGGAGAAGGA GGAGGGGGAG       780
ACCCCTGAAG ATACTGGGAC CCGGGCCTTG CCACCCAGTT GGGCTGCCCT TCCCAACTCA       840
GGCCAGGGCC AGAAGGAGGG TGTTTGTGGG GCATCTCCAG AGGATGAAGC TGAAGAGGAG       900
GAGGAGGAGG AGGAAGAGTG TGAACCCCAG GCAGTGCCAG TGTCTCCGGC CTCAGCTTGC       960
AGCCCCCCGC TGCAGCAGCC ACAGGGCTCC CGGGTGCTGG CCACCCTACG TGGCCAGGTG      1020
CTCCTGGGCA GGGGCGTGGG TGCTATAGGT GGGCAGTGGT GGCGTCGAAG GGCGCAGCTG      1080
ACCCGGGAGA AGCGCTTCAC CTTCGTGCTG GCTGTGGTCA TTGGCGTTTT TGTGCTCTGC      1140
TGGTTCCCCT TCTTCTTCAG CTACAGCCTG GGCGCCATCT GCCCGAAGCA CTGCAAGGTG      1200
CCCCATGGCC TCTTCCAGTT CTTCTTCTGG ATCGGCTACT GCAACAGCTC ACTGAACCCT      1260
GTTATCTACA CCATCTTCAA CCAGGACTTC CGCCGTGCCT TCCGGAGGAT CCTGTGCCGC      1320
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CCGTGGACCC AGACGGCCTG GTGA   1344
<212> Type : DNA
<211> Length : 1344
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      SequenceDescription :

Custom Codon

Sequence Name : Sequence 2

Sequence

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
GAAGAGGAG   9
<212> Type : DNA
<211> Length : 9
      SequenceName : Sequence 3
      SequenceDescription :

Custom Codon

Sequence Name : Sequence 3

Sequence

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
GAGGAGGAG   9
<212> Type : DNA
<211> Length : 9
      SequenceName : Sequence 4
      SequenceDescription :

Custom Codon

Sequence Name : Sequence 4

Sequence

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
CTTCTCCTC   9
<212> Type : DNA
<211> Length : 9
      SequenceName : Sequence 5
      SequenceDescription :

Custom Codon

Sequence Name : Sequence 5

Sequence

<213> OrganismName : Homo sapiens
<400> PreSequenceString :
CTCCTCCTC   9
<212> Type : DNA
<211> Length : 9
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      SequenceDescription :

Custom Codon

Sequence Name : Sequence 6

Sequence

<213> OrganismName : Homo sapiens

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<400> PreSequenceString :
MDHQDPYSVQ ATAAIAAAIT FLILFTIFGN ALVILAVLTS RSLRAPQNLF LVSLAAADIL          60
VATLIIPFSL ANELLGYWYF RRTWCEVYLA LDVLFCTSSI VHLCAISLDR YWAVSRALEY         120
NSKRTPRRIK CIILTVWLIA AVISLPPLIY KGDQGPQPRG RPQCKLNQEA WYILASSIGS         180
FFAPCLIMIL VYLRIYLIAK RSNRRGPRAK GGPGQGESKQ PRPDHGGALA SAKLPALASV         240
ASAREVNGHS KSTGEKEEGE TPEDTGTRAL PPSWAALPNS GQGQKEGVCG ASPEDEAEEE         300
EEEEEEEEEC EPQAVPVSPA SACSPPLQQP QGSRVLATLR GQVLLGRGVG AIGGQWWRRR         360
AQLTREKRFT FVLAVVIGVF VLCWFPFFFS YSLGAICPKH CKVPHGLFQF FFWIGYCNSS         420
LNPVIYTIFN QDFRRAFRRI LCRPWTQTAW                                         450
<212> Type : PRT
<211> Length : 450
       SequenceName : Sequence 7
       SequenceDescription :

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
MDHQDPYSVQ ATAAIAAAIT FLILFTIFGN ALVILAVLTS RSLRAPQNLF LVSLAAADIL          60
VATLIIPFSL ANELLGYWYF RRTWCEVYLA LDVLFCTSSI VHLCAISLDR YWAVSRALEY         120
NSKRTPRRIK CIILTVWLIA AVISLPPLIY KGDQGPQPRG RPQCKLNQEA WYILASSIGS         180
FFAPCLIMIL VYLRIYLIAK RSNRRGPRAK GGPGQGESKQ PRPDHGGALA SAKLPALASV         240
ASAREVNGHS KSTGEKEEGE TPEDTGTRAL PPSWAALPNS GQGQKEGVCG ASPEDEAEEE         300
EEEEEECEPQ AVPVSPASAC SPPLQQPQGS RVLATLRGQV LLGRGVGAIG GQWWRRRAQL         360
TREKRFTFVL AVVIGVFVLC WFPFFFSYSL GAICPKHCKV PHGLFQFFFW IGYCNSSLNP         420
VIYTIFNQDF RRAFRRILCR PWTQTAW                                            447
<212> Type : PRT
<211> Length : 447
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       SequenceDescription :

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
EDEAEEEEEE EEEEE                                                          16
<212> Type : PRT
<211> Length : 16
       SequenceName : Sequence 9
       SequenceDescription :

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
EDEAEEEEEE EEE                                                            13
<212> Type : PRT
<211> Length : 13
       SequenceName : Sequence 10
       SequenceDescription :

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
EEE                                                                       3
<212> Type : PRT
<211> Length : 3
       SequenceName : Sequence 11
       SequenceDescription :

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
CEP                                                                       3
<212> Type : PRT
<211> Length : 3
       SequenceName : Sequence 12
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        SequenceDescription :

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
GCTCATCATC CCTTTCTCGC T                                          21
<212> Type : DNA
<211> Length : 21
        SequenceName : Sequence 13
        SequenceDescription :

Custom Codon
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Sequence Name : Sequence 13

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
AAAGCCCCAC CATGGTCGGG T                                          21
<212> Type : DNA
<211> Length : 21
        SequenceName : Sequence 14
        SequenceDescription :

Custom Codon
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Sequence Name : Sequence 14

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
CTGATCGCCA AACGAGCAAC                                            20
<212> Type : DNA
<211> Length : 20
        SequenceName : Sequence 15
        SequenceDescription :

Custom Codon
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Sequence Name : Sequence 15

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
AAAAACGCCA ATGACCACAG                                            20
<212> Type : DNA
<211> Length : 20
        SequenceName : Sequence 16
        SequenceDescription :

Custom Codon
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Sequence Name : Sequence 16

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
TGTAAAACGA CGGCCAGT                                              18
<212> Type : DNA
<211> Length : 18
        SequenceName : Sequence 17
        SequenceDescription :

Custom Codon
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Sequence Name : Sequence 17

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
CAGGAAACAG CTATGACC                                                 18
<212> Type : DNA
<211> Length : 18
     SequenceName : Sequence 18
     SequenceDescription :

Custom Codon
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Sequence Name : Sequence 18

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
AGAAGGAGGG TGTTTGTGGG G                                             21
<212> Type : DNA
<211> Length : 21
     SequenceName : Sequence 19
     SequenceDescription :

Custom Codon
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Sequence Name : Sequence 19

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
ACCTATAGCA CCCACGCCCC T                                             21
<212> Type : DNA
<211> Length : 21
     SequenceName : Sequence 20
     SequenceDescription :

Custom Codon
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Sequence Name : Sequence 20

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
GGCCGACGCT CTTGTCTAGC C                                             21
<212> Type : DNA
<211> Length : 21
     SequenceName : Sequence 21
     SequenceDescription :

Custom Codon
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Sequence Name : Sequence 21

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
CAAGGGGTTC CTAAGATGAG                                               20
<212> Type : DNA
<211> Length : 20
     SequenceName : Sequence 22
     SequenceDescription :
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Custom Codon

Sequence Name : Sequence 22